# GOVERNMENT OF INDIA
# OCEAN DEVELOPMENT
# LOK SABHA

UNSTARRED QUESTION NO:1954
ANSWERED ON:05.08.2005
WARNING SYSTEM ON COASTAL AREAS
Satpathy Shri Tathagata

**Will the Minister of OCEAN DEVELOPMENT be pleased to state:**

(a) whether the Government has decided to install advanced warning systems for all the coastal States including Orissa;

(b) if so, the details thereof;

(c) whether the system would be purely indigenous or whether the Government is planning to seek technological assistance from abroad ;

(d) if so, the details thereof;

(e) the funds earmarked for this purpose; and

(f) the deadline by which system become operational

## Answer

MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE (INDEPENDENT CHARGE) OF THE DEPARTMENT OF OCEAN DEVELOPMENT ( SHRI KAPIL SIBAL)

(a) & (b) Yes Sir. It has been proposed to set up a Tsunami and Storm Surge Early Warning system covering entire Indian coastline with the following components;

- Strengthening of the existing seismological network to indicate in near real time occurrence of a tsunamigenic earthquakes.
- Installation of tsunami warning sensors close to the ocean bottom at appropriate locales in the Indian Ocean, with real time connectivity.
- Tide gauge and data buoys networking.
- Modeling of the inundation scenarios for the entire coast.
- The establishment of a centre for collection of the information, analysis and generating status advisories.

(c) The system would be developed indigenously.

(d) Even though the system is being developed indigenously, we are closely cooperating with other countries in the Indian Ocean region to share the data with and from other countries for more effective coordination and warning system.

(e) The system is estimated to cost Rs.125 crores

(f) The warning system is scheduled to be operational by September 2007.